

AMPERES LS-4600

6-CH SPEAKER LINE SURVEILLANCE PANEL



LS4600 monitors the condition of speaker line for faults such as ground leakage, short circuit and open circuit and open circuit. It employs impedance measurement method with detection tone, eliminate the use of blocking capacitors and resistors in the speaker network. Upon detection of flaws, it would provide fault alert via LED indications and buzzer. This improved LS4600 has wider detection range, from 10 Ohm to 10 K Ohm. Other added features included are two level of detection setup - basic and advance, circuit fault disconnection option, improved accuracy and stability.



FEATURES

- ✓ 6 channel speaker line monitoring and expandable
- ✓ Detection of faulty cable and speaker in individual zone or circuit
- ✓ Faulty circuit disconnection option
- ✓ Built in impedance meter, range within 10 Ohm to 10 K Ohm
- ✓ LCD display to facilitate system setup, measurement and monitoring
- ✓ Fault alert with LED indicators and switchable buzzer
- ✓ Detection test interval setting from 1 min to 48 hours
- ✓ Short burst test signal, minimizing interruption to PA operation
- ✓ User setting for detection sensitivity for open, short and leakage
- ✓ Aux 24V DC output for volume controller overriding during testing mode

TECHNICAL SPECIFICATIONS

Operating voltage	24V DC via PS9400 PSU
Power consumption	3.5W
Capacity	6 channel and expandable
Processor	PIC micro controller with 12 bit ADC
Impedance detection range	10 to 10 K Ohm
Power measurement range	3 to 1000W 100V line
Measurement accuracy	+/- 3% within range
Pilot tone injection frequency	1 KHz Pilot tone signal output level at 5V Sine
Transmittal detection period	3 seconds per channel
Detection interval	User pre-set from 1 min to 48 hrs.
Sensitivity setting	User pre-set at each channel
Indicators - LED	Normal, Fault, Buzzer, Auto run
Display LCD	2 x 16 characters sigh back light setting
Audible output signal	Continuous buzzer with Off option
Dry contact setting	3A
DC output in detection mode	24V DC for individual channel
Dimension (WxHxD)	482 x 44 x 180 mm
Weight	2.3 kg